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	-		Numt	Number-Kind Code ² (II known)					Figures Appear	
TIN			US-	6,166	,422	12-26-2000	Qian, et al.			
1			US-	6,121,8	352	09-19-2000	Mizoguchi, et al.			
			US-	5,976,7	715	11-02-1999	Chen, et al.			
			US-	5,892,4		04-06-1999	Kuhn, et al.			
			US-	5,834,8		11-10-1998	lmai	i,		
0			US-	5,609,9		03-11-1997	Korman, et al.	/. < . · _		
MN			US-	5,420,5	558	05-30-1995	Ito, et al.	"ECHNOLUGY	<u>' </u>	
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			U.S. PATEN	T DOCUMENTS		
Examiner Initials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
Num		Numi	mber-Kind Code ² (if known)			Figures Appear
TIN .		US-	6,441,715 B1	08-27-2002	Johnson	
		US-	6,291,305 B1	09-18-2001	Huang, et al.	
		US-	6,281,560 B1	08-28-2001	Allen, et al.	
		US-	6,240,621 B1	06-05-2001	Nellissen, et al.	
		US-	6,207,303 B1	03-27-2001	Tomita	
		US-	6,201,287 B1	03-13-2001	Forbes	- 4
		US-	6,191,495	02-20-2001	Kossives, et al.	77
		US-	6,121,852	09-19-2000	Mizoguchi, et al.	
		US-	6,114,937	09-05-2000	Burghartz, et al.	$^{\circ}$ $ ^{\circ}$
		US-	6,103,136	08-15-2000	Han, et al.	1. 1. N
		US-	6,067,002	05-23-2000	Fujino, et al.	
		US-	6,040,226	03-21-2000	Wojnarowski, et al.	2303 2303
4		US-	6,037,649	03-14-2000	Liou	0 3
TIN		US-	6,033,782	03-07-2000	Hubbard, et al.	w10

Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns,	T ₆
Initials*	No. ¹	Country Code ³ Number ⁴ Kind Code ³ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Lines, Where Relevant Passages or Relevant Figures Appear	
FIN	(JP 61020311	01-29-1986	NIPPON TELEGR & TELEPH CORP.		2
TTN	1	EP 0 295 028 A1	12-14-1988	SCIENTIFIC GENERICS LTD.		
TIN	l	EP 0 884 783 A2	12-16-1988	LUCENT TECHNOLOGIES, INC.		

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		Num	ber-Kind Code ² (If known)]					
		Nulli	Del-Killio Code (il known)			Figures Appear			
FIN		US-	6,031,445	02-29-2000	Marty, et al.				
		US-	5,961,746	10-05-1999	Nepela	,			
		US-	5,952,704	09-14-1999	Yu, et al.				
		US-	5,705,287	01-06-1998	Doerner, et al.				
		US-	5,583,474	12-10-1996	Mizoguchi, et al.				
		US-	5,446,311	08-29-1995	Ewen, et al.				
		US-	5,047,296	09-10-1991	Miltenberger, et al.				
		US-	4,797,648	01-10-1989	Kaneko, et al.				
b.		US-	3,905,883	09-16-1975	Hanazono, et al.				
11N		US-	3,607,462	09-21-1971	Liang, et al.				
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